

# UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
3831.08

Total Pages in this Submission  
112

## TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application  
P.O. Box 1450

Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

NEO-CARTILAGE CONSTRUCTS AND A METHOD FOR PREPARATION THEREOF

and invented by:

SHUICHI MIZUNO, ET AL.

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No.: 10/104,677

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:

Enclosed are:

### Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 86 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☒ Cross References to Related Applications (if applicable)
  - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
  - d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings (if filed)
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Small Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

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**Application Elements (Continued)**

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☐ Formal      Number of Sheets \_\_\_\_\_
- b. ☒ Informal      Number of Sheets      15
4. ☒ Oath or Declaration
- a. ☐ Newly executed *(original or copy)*      ☒ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☒ With Power of Attorney      ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference *(usable if Box 4b is checked)*  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under  
Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby  
incorporated by reference therein.
6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☒ Application Data Sheet (See 37 CFR 1.76)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☐ Computer Readable Form (CFR)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statement(s) Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(B) Statement (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement/PTO-1449      ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☒ Certificate of Mailing
- ☐ First Class      ☒ Express Mail *(Specify Label No.):* EV 331829714 US

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

**Total Pages in this Submission**  
**112**

17. ☒ Applicant claims small entity status. See 37 CFR 1.27.

18. ☐ Additional Enclosures (*please identify below*):

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**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Small Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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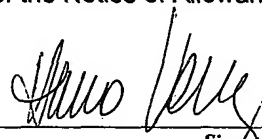
**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	20	- 20 =	0	x \$9.00	\$0.00
Indep. Claims	2	- 3 =	0	x \$42.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$375.00
OTHER FEE (specify purpose) _____					\$0.00
TOTAL FILING FEE					\$375.00

- ☒ A check in the amount of **\$375.00** to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **16-1331** as described below.
- ☐ Charge the amount of \_\_\_\_\_ as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

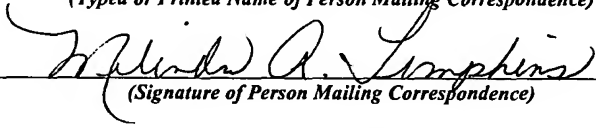
Dated: JULY 22, 2003



Signature

**HANA VERNY (REG. NO. 30,518)**  
**PETERS, VERNY, JONES & SCHMITT LLP**  
**385 SHERMAN AVENUE, SUITE 6**  
**PALO ALTO, CA 94306**  
**TELEPHONE: (650)324-1677**  
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cc:

<b>CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)</b> Applicant(s): SHUICHI MIZUNO, ET AL.			Docket No. 3831.08
Serial No. N/A	Filing Date JULY 22, 2003	Examiner N/A	Group Art Unit N/A
Invention: NEO-CARTILAGE CONSTRUCTS AND A METHOD FOR PREPARATION THEREOF			
I hereby certify that the following correspondence: <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"><b>NEW PATENT APPLICATION; UTILITY PATENT APPLICATION TRANSMITTAL; DECLARATION AND POWER OF ATTORNEY, APPLICATION DATA SHEET; INFORMAL DRAWINGS</b></div> <p style="text-align: center;"><i>(Identify type of correspondence)</i></p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on</p> <p style="text-align: center;"><u>JULY 22, 2003</u> <i>(Date)</i></p> <div style="text-align: center; margin-top: 20px;"><u>MELINDA A. TOMPKINS</u> <i>(Typed or Printed Name of Person Mailing Correspondence)</i>  <i>(Signature of Person Mailing Correspondence)</i> <u>EV 331829705 US</u> <i>("Express Mail" Mailing Label Number)</i></div> <p style="text-align: center; margin-top: 50px;">Note: Each paper must have its own certificate of mailing.</p>			

**TRANSMITTAL LETTER  
(General - Patent Pending)**

Docket No.  
3831.08

In Re Application Of: **SHUICHI MIZUNO, ET AL.**

Serial No.  
N/A

Filing Date  
JULY 22, 2003

Examiner  
N/A

Group Art Unit  
N/A

Title: **NEO-CARTILAGE CONSTRUCTS AND A METHOD FOR PREPARATION THEREOF**

TO THE COMMISSIONER FOR PATENTS:

Transmitted herewith is:

1. TRANSMITTAL LETTER;
2. UTILITY PATENT APPLICATION TRANSMITTAL; 3. UNSIGNED DECLARATION AND POWER OF ATTORNEY;
4. SPECIFICATION HAVING 85 PAGES; 5. 15 SHEETS INFORMAL DRAWINGS;
6. CHECK IN THE AMOUNT OF \$375.00; AND 7. POSTCARD.

in the above identified application.

- ☐ No additional fee is required.
- ☒ A check in the amount of \$375.00 is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 16-1331 as described below.
- ☐ Charge the amount of
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

  
Signature

Dated: JULY 22, 2003

HANA VERNY (REG. NO. 30,518)  
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I certify that this document and fee is being deposited on \_\_\_\_\_ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Correspondence

CC: